

Work Order ID 148040

Thursday, March 09, 2017 1:44:29 PM

148040

Page 1

Item ID: D412-742-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: URF 16-572 Stop ***NS2***
Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible
Start Date: 6/21/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 7/7/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference: ECN 16-516

Approvals: Process Plan: mf Date: 7-3-09 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D412-742	E								

150

0.00

150

QC

Memo

0.00

Quality Control

PULL FROM STOCK D412-742-011 X 1 B91946

SCRAP TUBE (TOO \$ TO REWORK)

RETURN HARDWARE AND SALVAGABLE PARTS TO STOCK UNDER mf 7-3-9.
ORIGINAL BATCH NUMBER

SEE ATTACHED PARTS LIST

180

0.00

180

HandFinish

Memo

0.00

Hand Finishing

DISSASSEMBLE AND SCRAP TUBE AND WEARPLATES

DART Dart Aerospace Ltd. 1270 ABERDEEN ST. HAWKESBURY, ON, CANADA K6A 1K7				TC APPROVAL # 09-89 TEL: 1-613-632-5200	
P/N	D412-742-011	CHG	CHG007		
DESC.	Float Skidtube	STC	SR01583SE		
LOT	B91946	STC	SH05-37		
MODEL	205/210/212/412/AB412	STC			
PATENTS: US #5735484 CA #2232184 EUROPEAN No # 0828655 MADE IN CANADA D2729-2					

1x d 17/03/15
MBB 17/03/15

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Item ID: D412-742-011 Accept *N900040100* Setup Start *NS1*
Revision ID: URF 16-572 Stop *NS2*
Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible
Start Date: 6/21/2016 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 7/7/2016 Req'd Qty: 1.00 *1* Customer:
Reference: ECN 16-516

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	QC21 - Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.00							
Quality Control									



DAS
21
9-89

MAR 16 2017
MAR 16 2017

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13New IssueKJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM
IPP Rev:C 07-05-28 As per Rev C JLM
IPP rev D 07.11.01 ecn 1053P EC
IPP rev E 07.11.27 ecn 1072 EC verified by:DD
IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC
IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC IPP Rev:H
11.11.01 as per DSI9517 REV.B DD verified by:EC IPP rev:I 12.01.12
PER IIN REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN3C37A

Purchased

No

Each

247.0000

-3

AN3C37A******

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
OVER002	210	
M132381	70	
M135718	70	
M136658	70	
ST347	37	
<u>124131</u>	3	
M131856	4	
M132169	30	

MF 17-3-9

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

AN3C40A

Purchased

No

Each

20.0000

Start Qty: 1.00

-2

Required Qty: 1.00

AN3C40A

Bolt

**

Location

Loc Qty

Loc Code

FG

5

11442

5

OVER002

8

m136602

8

ST347

7

122843

2

m134627

5

MF 17-3-9

AN3C41A

Purchased

No

Each

294.0000

-3

AN3C41A

Bolt

**

Location

Loc Qty

Loc Code

FG

10

122843

5

124975

1

m130081

4

OVER002

225

m132522

75

m135718

75

m136658

75

ST347

59

124975

3

m132169

3

m132381

53

MF 17-3-9

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

AN3C42A

Purchased

No

Each

41.0000

Start Qty: 1.00

-3

Required Qty: 1.00

AN3C42A

**

Bolt

Location

Loc Qty

Loc Code

FG

5

121103

5

ST338a

3

m130485

3

ST346

3

123930

3

ST347

30

m133920

10

m134131

10

m134133

10

MF 17-3-9.

AN3C43A

Purchased

No

Each

46.0000

-3

AN3C43A

**

Bolt

Location

Loc Qty

Loc Code

FG

10

120465

10

OVER002

12

m136866

12

ST346

9

123930

3

m135603

6

ST347

15

m136295

15

MF 17-3-9

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cyl. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

AN3C44A Purchased No Each 17.0000 Start Qty: 1.00 Required Qty: 1.00 -9

AN3C44A

Bolt

**

Location

Loc Qty

Loc Code

FG

8

110848

8

ST346

9

122843

9

Each

15.0000

-10

**

MF 17-3-9.

AN3C47A

Purchased

No

AN3C47A

Bolt

Location

Loc Qty

Loc Code

FG

2

116874

2

ST346

13

123116

10

125389

3

Each

37.0000

-4

**

MF 17-3-9.

AN4C47A

Purchased

No

AN4C47A

Bolt

Location

Loc Qty

Loc Code

FG

10

122491

10

ST341

27

124131

4

m136269

7

m136549

16

MF 17-3-9

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

AN4C52A Purchased No Each 62.0000 Start Qty: 1.00 Required Qty: 1.00 -4

AN4C52A

Bolt

**

Location	Loc Qty	Loc Code
FG	5	
122518	5	
OVER002	43	
m135723	43	
ST340	14	
120754	1	
123598	3	
m135646	10	

MF 17-3-9

AN4C53A Purchased No Each 38.0000

AN4C53A

BOLT

**

Location	Loc Qty	Loc Code
ST340	38	
124132	4	
m136215	34	

MF 17-3-9

AN4C6A Purchased No Each 377.0000

AN4C6A

Bolt

**

Location	Loc Qty	Loc Code
FG	14	
103344	4	
121657	10	
OVER002	128	
m136318	128	
ST345	235	
123900	16	
m136047	219	

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

AN4C7A

Purchased

No

Each

78.0000

Start Qty: 1.00

-4

Required Qty: 1.00

AN4C7A

**

BOLT

Location

Loc Qty

Loc Code

OVER002

54

m136295

54

ST345

24

123900

4

m135864

20

MF 17-3-A

AN6C12A

Purchased

No

Each

88.0000

-8

AN6C12A

**

Bolt

Location

Loc Qty

Loc Code

over005

50

M136263

25

M136838

25

ST335

38

124561

8

M135671

30

MF 17-3-A

D2571

Manufactured

No

Each

13.0000

-1

D2571

**

Saddle, Fwd, Out

Location

Loc Qty

Loc Code

ST397

13

153726

4

155486

8

99202

1

MF 17-3-A

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

D2572

Manufactured No

Each

11.0000

-1

Start Qty: 1.00

Required Qty: 1.00

D2572

Saddle, Fwd, In

**

Location

Loc Qty

Loc Code

ST397

11

153799

2

155591

8

98622

1

Each

12.0000

-1

MF 17-39

D2573

Manufactured No

D2573

Saddle, Aft, Out

**

Location

Loc Qty

Loc Code

ST398

9

155638

8

99396

1

ST498

3

153833

3

Each

7.0000

-1

MF 17-39

D2574

Manufactured No

D2574

Saddle, Aft, In

**

Location

Loc Qty

Loc Code

ST498

7

156032

6

98612

1

MF 17-39

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

D2747

Manufactured No

Each

Start Qty: 1.00
172.0000

-4

Required Qty: 1.00

D2747

Set Screw

**

Location

Loc Qty

Loc Code

ST010

172

152598

18

154433

50

157262

100

97968

4

MF 17-3-9

D2876

Manufactured No

Each

51.0000

-2

D2876

Saddle Spacer

**

Location

Loc Qty

Loc Code

ST013

29

153988

11

154778

16

92502

2

MF 17-3-9

ST025A

22

156220

22

D2877

Manufactured No

Each

48.0000

-2

D2877

Saddle Spacer

**

Location

Loc Qty

Loc Code

ST013

28

145949

2

154007

8

154785

16

92548

2

MF 17-3-9

ST025A

20

156280

20

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Work Order ID: 148040

148040

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

D3403-1

Manufactured No

Each

102.0000

-8

Start Qty: 1.00

Required Qty: 1.00

D3403-1

Bushing

**

Location

Loc Qty

Loc Code

ST033

102

149200

11

153760

36

156213

47

86717

8

Each

66.0000

-8

MF 17-3-9

D3403-3

Manufactured No

D3403-3

Bushing

**

Location

Loc Qty

Loc Code

ST033

66

149274

18

154827

40

86943

8

Each

30.0000

-8

MF 17-3-9

D3403-5

Manufactured No

D3403-5

Bushing

**

Location

Loc Qty

Loc Code

ST034

30

149249

22

88784

8

Each

15.0000

-1

MF 17-3-9

D3405-041

Manufactured No

D3405-041

Ground Handling Lug

**

Location

Loc Qty

Loc Code

st529

15

151325

6

155541

8

98372

1

MF 17-3-9

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Work Order ID: 148040

148040

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

D3405-043 Manufactured No Each 18.0000 Start Qty: 1.00 Required Qty: 1.00
-1

D3405-043

Ground Handling Lug

**

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st529	18	
150832	7	
151326	10	
94611	1	

MF 17-3-9

D3407-041

Manufactured No

Each 21.0000

-1

D3407-041

Tow Ring

**

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st530	21	
153698	5	
155492	15	
78878	1	

MF 17-3-9

D3417-3

Manufactured No

Each 24.0000

-2

D3417-3

Washer

**

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	7	
33519	7	
ST034	17	
149290	15	
86735	1	
93758	1	

MF 17-3-9

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Work Order ID: 148040

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 6/21/2016

Required Date: 7/7/2016

D3456-1

Manufactured No

Each

129.0000

Start Qty: 1.00

-1

Required Qty: 1.00

D3456-1

Washer

**

Location

Loc Qty

Loc Code

FG

7

25701

7

ST037

47

152842

21

154870

25

97542

1

ST038A

75

156723

25

157166

50

MF 17-3-9.

D3533-1

Manufactured No

Each

79.0000

-2

D3533-1

Set Screw

**

Location

Loc Qty

Loc Code

ST040

50

156724

50

ST041

29

152597

27

88328

2

MF 17-3-9.

D412-742-011

Manufactured No

Each

0.0000

1

D412-742-011

Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

**

91946 MF 17-3-9.

D412-742-015

Manufactured No

Each

1.0000

-1

D412-742-015

Electric Step

**

Location

Loc Qty

Loc Code

FG121

1

87638

1

MF 17-3-9

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LOT TRACKING !!

Reason	Parent Item ID	Lot Qty	Lot Nbr	Lot Trans Date	Avg Cost Amt	Last Cost Amt
91946	AN3C37A	-3	124131	5/15/2013 9:16:20 AM	\$5.93	\$6.00
91946	AN3C40A	-2	122843	5/15/2013 9:16:20 AM	\$13.52	\$18.00
91946	AN3C41A	-3	124975	5/15/2013 9:16:21 AM	\$14.72	\$14.50
91946	AN3C42A	-3	123930	5/15/2013 9:16:21 AM	\$9.52	\$9.50
91946	AN3C43A	-3	123930	5/15/2013 9:16:21 AM	\$3.95	\$3.83
91946	AN3C44A	-9	122843	5/15/2013 9:16:21 AM	\$3.65	\$2.85
91946	AN3C47A	-10	123116	5/15/2013 9:16:21 AM	\$42.33	\$45.00
91946	AN4C47A	-4	124131	5/15/2013 9:16:20 AM	\$16.50	\$16.50
91946	AN4C52A	-1	120754	5/15/2013 10:15:47 AM	\$15.17	\$14.95
91946	AN4C52A	-3	123598	5/15/2013 10:15:47 AM	\$15.17	\$14.95
91946	AN4C53A	-4	124132	5/16/2013 4:13:34 PM	\$16.75	\$16.75
91946	AN4C6A	-16	123900	5/15/2013 10:15:47 AM	\$50	\$50
91946	AN4C7A	-4	123900	5/15/2013 9:16:18 AM	\$38	\$37
91946	AN6C12A	-8	124561	5/15/2013 10:15:48 AM	\$1.88	\$1.88
91946	D2571	-1	99202	5/15/2013 10:15:44 AM	\$211.70	\$201.90
91946	D2572	-1	98622	5/15/2013 10:15:45 AM	\$180.84	\$181.97
91946	D2573	-1	99396	5/15/2013 10:15:45 AM	\$207.28	\$210.18
91946	D2574	-1	98612	5/17/2013 8:27:14 AM	\$185.11	\$188.70
91946	D2747	-4	97968	5/15/2013 10:15:46 AM	\$66	\$66
91946	D2876	-2	92502	5/15/2013 10:15:45 AM	\$3.53	\$4.97
91946	D2877	-2	92548	5/15/2013 10:15:45 AM	\$5.82	\$5.29
91946	D3403-1	-8	86717	5/15/2013 10:15:45 AM	\$15.91	\$19.66
91946	D3403-3	-8	86943	5/15/2013 9:16:19 AM	\$9.18	\$11.16
91946	D3403-5	-8	88784	5/15/2013 10:15:46 AM	\$8.74	\$9.33
91946	D3405-041	-1	98372	5/15/2013 9:16:19 AM	\$106.94	\$109.81
91946	D3405-043	-1	94611	5/15/2013 9:16:19 AM	\$89.55	\$85.15
91946	D3407-041	-1	78878	5/15/2013 10:15:44 AM	\$92.47	\$95.29
91946	D3417-3	-1	86735	5/16/2013 4:13:33 PM	\$5.73	\$7.58
91946	D3417-3	-1	93758	5/16/2013 4:13:33 PM	\$5.73	\$7.58
91946	D3456-1	-1	97542	5/15/2013 9:16:20 AM	\$24	\$25
91946	D3533-1	-2	88328	5/15/2013 10:15:46 AM	\$23	\$23
91946	D3591-1	-2	100699	5/15/2013 9:16:19 AM	\$11.93	\$18.83
91946	D3672-11	-8	91746	5/15/2013 9:16:18 AM	\$28	\$28
91946	D3672-3	-32	93316	5/15/2013 10:15:48 AM	\$26	\$25
91946	D3672-9	-8	81763	5/15/2013 10:15:48 AM	\$30	\$32
91946	D412-742-015	-1	87638	5/16/2013 4:13:34 PM	\$12.01	\$14.33
91946	D412-742-041	-1	91881	5/21/2013 9:30:14 AM	\$5,063.35	\$5,063.35
91946	MS21043-3	-33	124555	5/15/2013 9:16:21 AM	\$30	\$30
91946	MS21043-4	-29	123021	5/15/2013 9:16:18 AM	\$42	\$42
91946	NAS1149C0332R	-66	123759	5/21/2013 9:30:14 AM	\$0.02	\$0.02
91946	NAS1149C0432R	-32	122441	5/21/2013 9:30:14 AM	\$0.02	\$0.02
91946	NAS1149C0632R	-8	122441	5/16/2013 4:13:33 PM	\$15	\$15

57346

List Lots

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Tuesday, June 21, 2016 3:32:56 PM

Criteria : Item ID: d412-742-011 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D412-742-011 Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible	Main Warehouse FG073	87615	6/21/2016	1.0000	QC21	CHG007	
	Main Warehouse FG073	91946	6/21/2016	1.0000	QC21	CHG007	
		Total:		2.0000			

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐		☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator ☐		☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup ☐		☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier ☐		☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training ☐		☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing ☐		☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information ☐		☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing ☐		☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement ☐		☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement ☐		☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process ☐		OTHER :							
Misidentified ☐	☐	Past Due ☐									